**Ushakov Andrey Vyacheslavovich**

Date of birth: 04.06.1979

Marital status: married

Contact information:

* City: Ekaterinburg
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**Education**

September 1996- June 2000 Ural State University. Bachelor of physics.

September 2000- June 2002 Ural State University. Master of physics.

**Objective**

Lead software developer/Team Lead/Software architect

**Experience**

August 2016 – August 2017

UrFU (https://urfu.ru/). Mathematician, Software architect, Lead software developer.

Environment: MS Windows, Linux, C++, Qt

* Design, development, testing of system for conducting and processing optical measurements.

April 2016 – present time

Aspose, Aspose.Words group (http://www.aspose.com/). Lead software developer.

Environment: MS Windows, Linux, C#(.NET Framework), C++

* Design, development, testing of system for auto porting of Aspose.Words libraries from C# to C++.

September 2015 – August 2016

“Nevlabs” (https://nevlabs.ru/). Lead software developer.

Environment: Windows, C# (.NET Framework), MS SQL

* Design, development, testing of report subsystem for “Open clinic” project.

February 2014 – August 2015

“Poligon” (http://plgn.ru/). Software architect, lead software developer.

Environment: Linux, Erlang, C/C++

* General-purpose CLI (command line interface) for different network devices (commutators etc): architecture creation, development, testing.

February 2013 – April 2016

NPO “Sapfir” (http://www.nposapfir.ru/). Software architect, lead software developer.

Environment: MS Windows, Linux, C#(.NET Framework, Mono), F#, Erlang, MS SQL, PostgreSQL

* Creation and formalization of the development and testing processes.
* Introduction of TDD, Code review, Continious integration.
* Create the architecture for business process management system.
* Design, development, testing system for business process management.
* "Resuscitation" of business process management system. Support legacy code, the elimination of technical debt.
* The transition to the using of free software
* Management of other developers.

June 2012 – February 2013

“Ideco” (https://ideco.ru/). Lead software developer.

Environment: Linux, Python, C/C++, Firebird, PostgeSQL

* Development of a specialized Linux distribution
* Introduction of TDD, Agile, Code review, Continious integration
* SCRUM-master
* Consultations on Erlang

November 2011 – February 2014

Aspose, Aspose.Words group (http://www.aspose.com/). Lead software developer.

Environment: MS Windows, C#(.NET Framework)

* Development and testing of SAAS API.

January 2011 – June 2012

“IskraUralTel” (http://iskrauraltel.ru/). Software developer.

Environment: MS Windows, Linux, C#(.NET Framework), JavaScript, MS SQL, Java, C/C++, Erlang

* Design, development, testing of "GSM-R" project: the mobile communication system (GSM) for Railways.
* Design, development, testing of "FAM" project: alarms monitoring system.
* Design, development, testing of "System-112" project: system for calling emergency services.
* Introduction of TDD.
* The transition to the use of the C++ 11 standard.
* Training of functional programming, TDD, C#/.NET, Erlang.

December 2010 – January 2011

“ACS” (http://www.acs-it.ru/). Software developer.

Environment: MS Windows, C# (.NET Framework), JavaScript, MS SQL

* Creating functional tests for “Electronic trading platform” project.

February 2009 – December 2010

“Kontur” (https://kontur.ru/). Software developer.

Environment: MS Windows, C# (.NET Framework), Firebird

* Design, development, testing new functionality for “Kontur-Extern Light” project.
* Support legacy code.
* SCRUM-master

April 2007 – February 2009

“Eastwind” (http://www.eastwind.ru/). Software developer.

Environment: MS Windows, C# (.NET Framework), MS SQL

* Design, development, testing of the ETL-system for the “MCN” (Moscow Cellular Networks) project.
* Design, development, testing of the ETL-system for the new billing system.

November 2004 – March 2007

“OKB Novator” (http://www.okb-novator.ru/). Mathematician.

Environment: MS Windows, C# (.NET Framework), C/C++, Fortan, Borland Delphi

November 2002 – November 2004

“OKB Novator” (http://www.okb-novator.ru/). Software developer.

Environment: MS Windows, C# (.NET Framework), MS SQL, C/C++, Borland Delphi

* Design, development, testing of the internal ERP-system.
* Design, development, testing of the internal MES-system.

**Skills**

IT:

* Complete cycle of software development
* System programming (Win32 API, Posix)
* Cross-platform software development
* Computer graphics
* Multithreaded and distributed enterprise systems
* Reverse-engineering
* OOP, AOP, functional programming
* Agile: TDD, Scrum, Continuous Integrations

Mathematics:

* Differential games
* Computer science
* Numerical methods, numerical analysis
* Computational geometry
* Compiler construction

**Languages, technologies, libraries**

.NET: C#, F#, .NET Framework 1.0-4.5, WinForms, ADO.NET, ASP.NET, ASP.NET MVC, Linq, TPL, Entity Framework, WCF, Mono, CIL(MSIL), NHibernate, NUnit, Rhino.Mocks

Java: Java2 SE6-8, JDBC, Hibernate, Servlets, JSP, JUnit

C/C++: C++03, C++11, STL, Boost, wxWidgets, GoogleTest, GoogleMock, Readline, Qt

Erlang: Erlang/OTP

Python: stdlib, Tornado, Bottle, Twisted, Django, NumPy, Celery

JScript: JQuery

Haskell

Ruby

Assembler: i386, PIC

Databases: MSSQL 2000-2012, Firebird 1.5-2.0, PostgreSQL, MongoDB

Build systems: MSBuild, NAnt, Ant, Maven, make, CMake

Other: Win32 API, POSIX, COM, OpenGL, Xml

OS: Windows, Linux

**Certifications**

Microsoft:

* MCTS .NET Framework 2.0 Windows Applications
* MCPD .NET Framework 2.0 Windows Developer

Oracle:

* OCP Java SE 6 Programmer

LPI:

* LPIC-1: System Administrator (LPIC-1 exam 101, exam 102)
* LPIC-2: Linux Engineer (LPIC-2 exam 201, exam 202)

MongoDB University:

* M101J: MongoDB for Java Developers
* M101N: MongoDB for .NET Developers
* M101P: MongoDB for Python Developers
* M102: MongoDB for DBAs

Stepik:

* Algorithms: theory and practice. Methods
* Functional programming in Haskell
* Introduction to computer architecture. Elements of operating systems.
* Molecular biology of cell
* Competitive programming
* Math for competitive programming

Hackerrank:

* C++ (Basic)
* Java (Basic)
* Java (Intermediate)
* Problem Solving (Basic)
* Python (Intermediate)
* SQL (Basic)

**Publications**

Linux Format Russian (http://www.linuxformat.ru/):

* April 2011 “Erlang: Language for processes”
* May 2011 “Erlang: Lots and lots of tasks”
* June 2011 “Erlang: Base essences”
* July 2011 “Erlang: Essences of language. Tuples”
* August 2011 “Erlang: The collections as essences”
* September 2011 “Erlang: Bit strings”
* October 2011 “Erlang: String data”
* November 2011 “Erlang: The essences is considered”
* December 2011 “Erlang: Practice on the essences”
* January 2012 “Erlang: Again the basic essences”
* February 2012 “Erlang: Again practical work”
* March 2012 “ Erlang: Magic of bit strings”
* April 2012 “Erlang: Magic of bit strings 2”
* May 2012 “Erlang: Magic of bit strings 3”
* June 2012 “Erlang: Let's study the multitasking”
* July 2012 “Erlang: Stand before failures ”
* August 2012 “Erlang: Distributed systems”
* September 2012 “Erlang: The benefits of libraries ”
* November 2012 “Erlang: Once again on the synchronization”
* December 2012 “Erlang: Practice on multitasking”
* January 2013 “Erlang: Again practice”
* February 2013 “Erlang: Practice on multitasking”
* March 2013 “Erlang: Practice on multitasking”
* May 2013 “Erlang: Almost with queues”
* July 2013 “Erlang: Again lot of tasks ”
* August 2013 “Erlang: Practice, practice and more practice - that's the way of the Jedi”
* December 2013 “Erlang: Summing up”
* April 2014 “Erlang: Testing”
* August 2014 “Erlang: Let's test!”

System admin (www.samag.ru):

* April 2015 “Create IoC container for myself”
* March 2016 “Linux Professional Institute exams”

**My projects**

github profile: <https://github.com/stdstring>

My CV on github: <https://github.com/stdstring/CV>

**Blogs**

livejournal profile: <http://std-string.livejournal.com/>